

IN THE CLAIMS

Please replace any previous listing of the claims with the following replacement listing of the claims:

Replacement Listing of the Claims

1. (PREVIOUSLY PRESENTED) A method of source control, comprising:
operating a source control system on a computer that is coupled via a network to a controller that communicates with one or more devices to provide process control, wherein said source control system comprises a plurality of source control levels that includes first and second source control levels to control versioning of objects used by said controller to provide said process control;
receiving a selection of one of said first and second source control levels;
enabling in said source control system said selected source control level;
and
automatically or manually setting a version number of a first object of said objects, depending on said selected and enabled source control level, wherein said first object is a control strategy loadable to said controller to provide said process control.
2. (PREVIOUSLY PRESENTED) The method according to claim 1, further comprising:
providing a capability to switch said enabled source control level of source control to another of said source control levels.
3. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein automatically setting said version number is based on a degree of change to said first object.

4. (PREVIOUSLY PRESENTED) The method according to claim 1, further comprising:
 - storing attributes associated with said first object in a database.
5. (CANCELED)
6. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein said source control system further comprises a third source control level, and wherein said first, second and third source control levels comprises control level none, control level basic, and control level full.
7. (PREVIOUSLY PRESENTED) The method according to claim 6, wherein for said control level none, said method further comprises:
 - receiving user-entered text for said version number;
 - setting a created-by name set upon receiving a first save changes request;
 - setting a modified-by name upon receiving a save changes request;
 - setting a date-created date upon receiving said first save changes request; and
 - setting a version date upon receiving said save changes request.
8. (PREVIOUSLY PRESENTED) The method according to claim 6, wherein for said control level basic, said method further comprises:
 - automatically incrementing said version number upon receiving a save changes request, including a first save changes request;
 - setting a created-by name upon receiving said first save changes request;
 - setting a modified-by name upon receiving said save changes request, including a first save changes request;
 - setting a date-created date upon receiving said first save changes request;

setting a version date upon receiving said save changes request, including a first save changes request; and
displaying said version number.

9. (ORIGINAL) The method according to claim 8, wherein said version number is incremented differently for minor changes than for major changes.

10. (PREVIOUSLY PRESENTED) The method according to claim 6, wherein for said control level full, said method further comprises:
supporting a qualification life cycle model;
providing a version control system toolbar and menu;
automatically incrementing said version number upon check-in, including a first check-in wherein said version number is generated;
displaying said version number;
setting a created-by name upon said first check-in;
setting a modified-by name upon said check-in, including said first check-in;
setting a date-created date upon said check-in, including said first check-in;
setting a version date upon said check-in;
receiving a check-in comment; and
providing a version history and audit trail.

11. (ORIGINAL) The method according to claim 10, wherein said version number is incremented differently for minor changes than for major changes, according to user preferences.

12. (CURRENTLY AMENDED) A process control system, comprising:
a network coupling a computer to a controller that communicates with one or more devices to provide process control;

wherein said computer comprises a source control system with a selectable control level of source control that is selected from a plurality of control levels of source control, wherein said plurality of control levels comprise a first source control level and a second source control level that contains one or more features not contained in said first source control level, wherein version numbers are set manually and automatically in said first and second source control levels, respectively, wherein said source control system controls versioning of at least one control strategy for said process control; and

wherein said at least one control strategy is loadable from said computer to said controller to provide said process control according to said control strategy.

13. (ORIGINAL) The system according to claim 12, further comprising:
a database to store source control information associated with said at least one control strategy, including a version number.

14. (PREVIOUSLY PRESENTED) The system according to claim 13, wherein said selectable source control level is no source control and further wherein a version number is entered manually when said at least one control strategy is saved.

15. (PREVIOUSLY PRESENTED) The system according to claim 13, wherein said selectable source control level is basic source control and further wherein a version number is automatically incremented when said at least one control strategy is saved.

16. (PREVIOUSLY PRESENTED) The system according to claim 13, wherein said selectable source control level is full source control and further wherein a version number is automatically incremented when said at least one control strategy is checked-in.

17. (PREVIOUSLY PRESENTED) The system according to claim 12, wherein said selectable source control level is selected from the group consisting of: a preference, a license, an installation configuration, and a user interface.

18. (PREVIOUSLY PRESENTED) A method for providing a source control system for a process control system, comprising:

- operating said source control system on a computer that is coupled via a network to a controller that communicates with one or more devices to provide process control, wherein said source control system comprises a plurality of source control levels to control versioning of objects;

- receiving in said source control system a selection from said plurality of control levels for a first object of said objects;

- providing a user-enterable version number when said first object is stored, if said selection is a first source control level of said plurality of source control levels; and

- providing an automatically incremented version number when said first object is stored, if said selection is a second source control level of said plurality of source control levels, wherein said first object is a control strategy loadable to said controller to provide said process control.

19. (PREVIOUSLY PRESENTED) The method according to claim 18, further comprising:

- providing an automatically incremented version number when said first object is checked-in, if said selection is a third source control level of said plurality of control levels of source control.

20. (PREVIOUSLY PRESENTED) The method according to claim 18, further comprising:

- changing said selection to another of said plurality of source control levels.

21. (ORIGINAL) The method according to claim 18, further comprising:

updating attributes of said object based on said selection.

22. (CURRENTLY AMENDED) A computer readable medium having executable instructions stored thereon to perform a method of providing configurable control levels of support for a source control system, said method comprising:

operating said source control system on a computer that is coupled via a network to a controller that communicates with one or more devices to provide process control;

receiving a request for one of a plurality of a control levels of source control of support of at least one control strategy for said process control, wherein said plurality of control levels of source control comprises full, basic and none, wherein version numbers are set automatically in said control levels of full and basic and manually in said control level of none;

determining whether a said full control level of source control of a plurality of control levels of source control is licensed for said at least one control strategy;

determining whether an option for a said basic control level of said plurality of control levels of source control is selected for said at least one control strategy;

setting said control level of support to full, if said full control level of source control is licensed; and

setting said control level of support to basic if said option is selected, wherein said at least one control strategy is loadable from said computer to said controller to provide said process control according to said at least one control strategy; and

setting said control level of support to none as a default.

23. (CANCELED)

24. (CURRENTLY AMENDED) A computer readable medium having executable instructions stored thereon to perform a method of changing

configurable control levels of source control for a source control system, said method comprising:

- operating said source control system on a computer that is coupled via a network to a controller that communicates with one or more devices to provide process control, wherein said source control system controls versioning of objects;

- receiving a request from a user to change a control level of source control of a first object of said objects;

- determining whether a full control level of source control is licensed for said first object;

- determining whether said request is to change said requested control level from a control level of source control of none to basic, wherein version numbers are set manually and automatically in said source control levels of none and basic, respectively;

- determining whether said request is to change said requested control level from a control level of source control of basic to none;

- performing said request when said request is to change said requested control level from none to basic or from basic to none to a new control level of source control; and

- storing said new control level of source control for said first object, which is loadable from said computer to said controller to provide said process control according to said first object.

25. (CURRENTLY AMENDED) A computer readable medium having executable instructions stored thereon to perform a method of updating version attributes based on a control level of source control, said method comprising:

- operating said source control system on a computer that is coupled via a network to a controller that communicates with one or more devices to provide process control, wherein said source control system controls versioning of objects;

determining a selected one of a plurality of control levels of source control that comprises a basic control level and a full control level by:

determining whether said full control level of source control of a first object of said objects is licensed;

determining whether said basic control level is selected;

receiving a save changes request for said first object; and

determining whether said first object is new;

setting a version number to a first version number, when said first object is new;

updating version attributes of said first object according to whether said full control level is licensed and whether said basic control level is selected; and

incrementing said version number, when said first object is not new and when said full control level is not licensed, wherein said first object is loadable from said computer to said controller to provide said process control according to said object; and

setting a version number for said first object based on a user-enterable number if said full control level is not licensed and if said basic control level is not selected.